

Suisun Marsh Plan

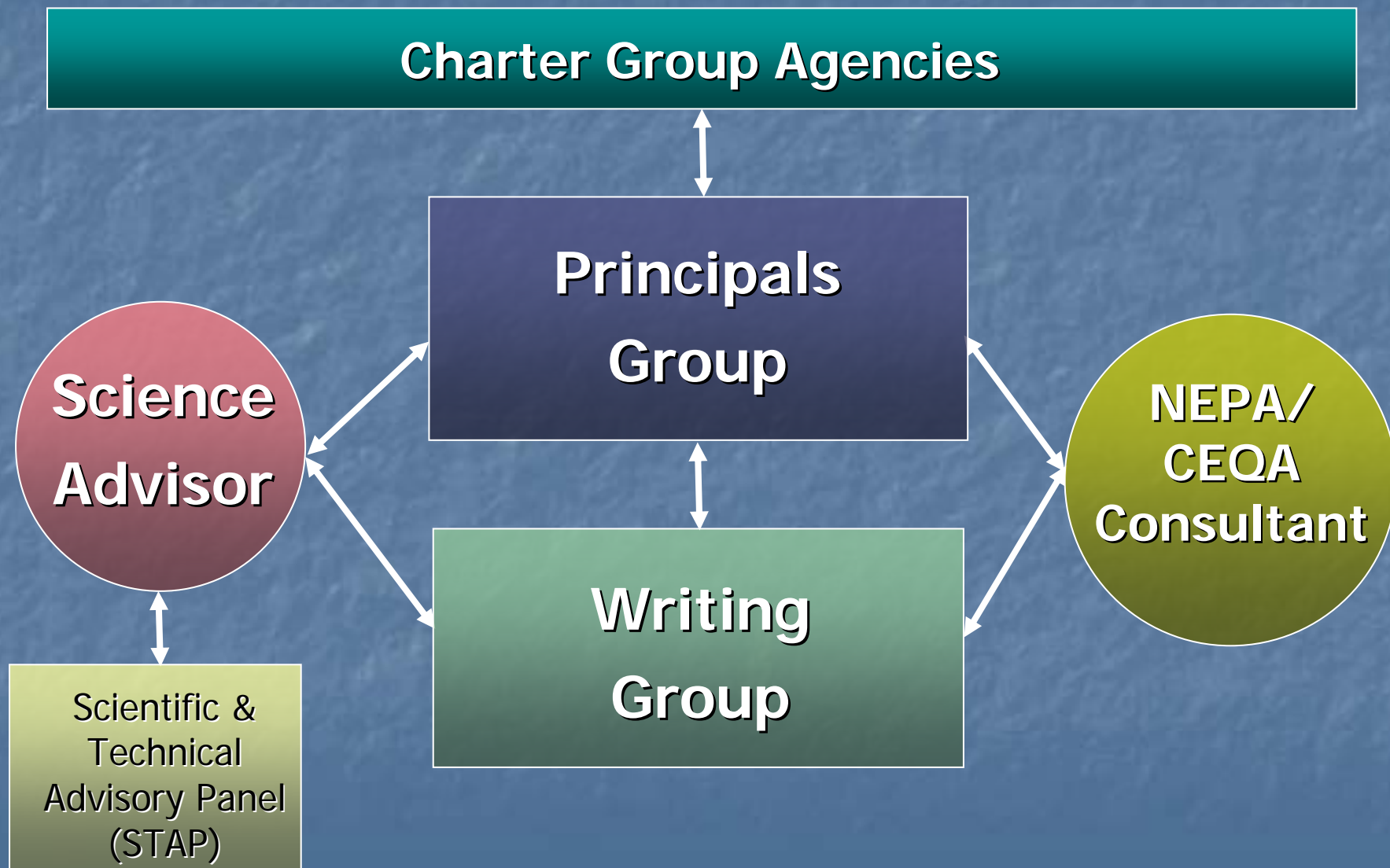


Environmental Document

- Programmatic
- Plus 2 Site-specific Actions
 - Regional General Permit
 - Revised SMPA



Organization



Science Integration

Conceptual Models

- Developed 7 Conceptual Models
 - Tidal Marsh
 - Managed Seasonal Wetlands
 - Levees
 - Water Quality
 - Scalar Transport
 - Methyl Mercury
 - Organic Matter
 - Sub-tidal Aquatic
- Peer-reviewed
- Currently working with Science Advisor to finalize



Alternatives Development

Strategies

- Alternatives developed with different habitat acreage targets
- Acreage percentage consistent with USFWS Recovery Plan
- Marsh divided into 4 regions



Alternatives Development

Pertinent Plans Reviewed

| | | |
|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------|
| BCDC Plan of Protection | 1984 Harvest Mouse/Clapper Rail Recovery Plan | Suisun Marsh Preservation Agreement |
| Baylands Ecosystem Goals Report | Joint Venture Plan | Solano County General Plan |
| CALFED documents | North American Waterfowl Management Plan | Solano County HCP |
| CVPIA | Restoration Plan for the Anadromous Fish Restoration Program | Solano County Mosquito Prevention Criteria |
| Delta Green Ground Beetle and Solano Grass Recovery Plan | Restoration Plan for San Joaquin Native Fish | Tidal Marsh Recovery Plan |
| Essential Fish Habitat | SEW Report | Vernal Pool Recovery Plan |

Alternatives Development

Alternatives Framework

- Tidal Marsh Protection and Restoration
- Managed Wetlands Enhancement
- Vernal Pools
- Riparian Habitat
- Upland Habitat
- Tidal Aquatic Habitat
- Levee System Integrity
- Non-native Invasive Species
- Water and Sediment Quality
- Public Use and Waterfowl Hunting

Current Writing Group Activities

- Finalizing Target Habitat Acreages
- Finalizing Draft Alternatives
- Finalizing Screening Criteria
- Preparing Environmental Setting



Proposed Timeline

2006

2007

2008



Complete Alternatives Development

Complete Impact Analysis

Prepare Public draft PEIS/EIR

Hold public meetings

Prepare Final PEIS/EIR

USACE Regional General Permit #3 (RGP)

- **Obtain new permit**
- **Add levee maintenance dredging component to permit**
- **Add maintenance of DWR and BOR facilities to permit**
(ex. MIDS, Roaring River)

Revised SMPA

- Additional components to further enhance managed wetland values
- SMPA Activities covered under RGP

Salinity Standards

- Recommend Suisun Marsh Salinity Objectives to the State Board

Implementation

- Restoration projects will be outside the activities permitted by the RGP
- Future projects will tier off PEIS/EIR



Permitting Approach

How to permit:

- Programmatic document
- RGP
- Revised SMPA
- Future restoration projects
- Levee improvements



Programmatic Biological Opinion

(based upon the entire program, its long-term objectives, targets, and thresholds)

- Must conclude with a “No Jeopardy” analysis
- Take is not authorized, but is tracked for individual actions

RGP analysis & Take authorization

Additional Individual Actions

(each project is proposed in a subsequent, abbreviated Biological Assessment)

- specific detail of environmental baseline
- specific detail of effects of the action
- effects determinations for each species cannot exceed that of the programmatic document
- implementation and effectiveness monitoring
- Take authorization issued, as appropriate

Permit Coordination

- U.S. Army Corps of Engineers
- BCDC
- SWRCB
- DFG
- other agencies

Next Steps



- How often to meet?
- Charter Agency involvement



DFG



L. Thompson, DFG



SRCD